## **CKM @ A0 North –Instrumentation list – P.1**

Sensor name	Location	Model	Company	Range	Comment
TN1	Thermal shield- upstream	PT102	Lake shore	30 K-300 K	
TN2	Thermal shield- downstream	PT102	Lake shore	30 K-300 K	
TNshield	Thermal shield	PT102	Lake shore	30 K-300 K	
TCD	He cooldown upstream	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
Tsupply	JT valve downstream	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
TX36	Low pressure HX upstream	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	Installed by Bill Soyars
TX33	Low pressure HX downstream	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	Installed by Bill Soyars
TX34	JT valve upstream	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	Installed by Bill Soyars
THe1	He vessel upper section	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THe2	He vessel lower section	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THedummy	Dummy Helium vessel	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THeWC1	Warm to cold transition-cavity	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THeWC2	Warm to cold transition-RT	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THeC1	Coupler-cavity	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
THeC2	Coupler_RT	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
Tmotor	Cavity tuning motor	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
Tpiezo	Cavity tuning piezo	CX-1050-SD-1.4L	Lake shore	1.6 K-300 K	
JXE	Cavity heater	KHLV-105/10	Omega	50 W	
PI33	Low pressure HX downstream	722A12TGA2FJ	MKS	0 - 100 torr	Installed by Bill Soyars
Preturn	Low pressure HX upstream	722A12TGA2FJ		0 - 100 torr	
PHe	Helium vessel	722A12TGA2FJ	MKS	0 - 100 torr	
FT1	He Flow meter	FTB-941	Omega	0 - 5 g/s	From photon stop cryotest
LHe	LHe level indicator for cryostat ca	6" level	AMI	0 -100 %	
LLHV	LHe level indicator for He dewar	3D-087	Cryomagnetic	0 - 34 "	already installed at A0 North
LN2 / DPNC	LN2 level indicator for N2 dewar	239E	Setra	0-1 psid	already installed at A0 North

## **CKM @ A0 North –Instrumentation list – P.2**

EVJV	JT valve - Main operational fill valve	Fermi built	Butterfly	325 psig	already installed at A0 North
EVVC	Pumping valve	Fermi built	Bullet	325 psig	already installed at A0 North
CV	Check valve	Fermi built	1620-MB-103436	N/A	already installed at A0 North
PVHE	Helium supply valve	Cryolab	CV9-084-5WTG	150 psig	already installed at A0 North
PVN2	N2 supply valve	JC controls	SLV-40	40 psi	already installed at A0 North
PVVH	Safety recovery - Atmospheric vent I	Worcester	1039 24VDC	120 psi	already installed at A0 North
PVVL	Pumping system valve-operation	Vac Research Corp	052202-01	70 psi	already installed at A0 North
PVVS	Pumping system valve-pumpdown	Key High Vac. Prod.	BA 112	N/A	already installed at A0 North
PV19	Cooldown valve	Allenair	IL-W-AA-120/60	150 psig	already installed at A0 North